

## § 157.23

requirements of Regulation 27, Annex I MARPOL 73/78.

[USCG-2000-7641, 66 FR 55573, Nov. 2, 2001, as amended by USCG-2009-0416, 74 FR 27441, June 10, 2009]

### § 157.23 Cargo and ballast system information.

(a) Each tank vessel to which this part applies must have an instruction manual that describes the automatic and manual operation of the cargo and ballast system in the vessel.

(b) The format and information contained in the instruction manual required in paragraph (a) of this section must be similar to the manual entitled "Clean Seas Guide for Oil Tankers" which can be obtained from the International Chamber of Shipping, 30-32 St. Mary Axe, London, England, EC3A 8ET.

### § 157.24 Submission of calculations, plans, and specifications.

The owner, builder or designer of a new vessel to which this part applies shall submit the documentation specified in this section to the Coast Guard before that vessel enters the navigable waters of the United States. The owner, builder, or designer of a vessel that must comply with §157.10d shall submit the documentation specified in this section to the Coast Guard before that vessel enters the navigable waters of the United States or the U.S. Exclusive Economic Zone.

(a) Calculations to substantiate compliance with the tank arrangement and size requirements under §157.19, or a letter from the government of the vessel's flag state that certifies compliance with:

(1) Section 157.19; or

(2) Regulations 24 of Annex I of the International Convention for the Prevention of Pollution from Ships, 1973.

(b) Except for a new vessel that is a foreign vessel, calculations to substantiate compliance with subdivisions and damage stability requirements under §157.21.

(c) Plans and calculations to substantiate compliance with the applicable segregated ballast and double hull requirements in §§157.09, 157.10, 157.10a, 157.10b, or 157.10d, or certification from the government of the vessel's flag state that the vessel complies with the

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segregated ballast and double hull requirements in:

(1) Sections 157.09, 157.10, 157.10a, 157.10b, or 157.10d, as applicable; or

(2) For a vessel to which §157.10d does not apply, Regulations 13 and 13E of the MARPOL 73/78.

(d) Plans and specifications for the vessel that include:

(1) Design characteristics;

(2) A lines plan;

(3) Curves of form (hydrostatic curves) or hydrostatic tables;

(4) A general arrangement plan of each deck and level;

(5) Inboard and outboard profile plans showing oiltight and watertight bulkheads;

(6) A midship section plan;

(7) A capacity plan showing the capacity and the vertical and longitudinal centers of gravity of each cargo space, tank, and similar space;

(8) Tank sounding tables or tank capacity tables;

(9) Draft mark locations;

(10) Detailed plans of watertight doors; and

(11) Detailed plans of vents.

[CGD 75-240, 41 FR 54180, Dec. 13, 1976, as amended by CGD 77-058b, 45 FR 43708, June 30, 1980; CGD 79-152, 45 FR 82250, Dec. 15, 1980; CGD 90-051, 57 FR 36244, Aug. 12, 1992; USCG-2000-7641, 66 FR 55573, Nov. 2, 2001]

### § 157.24a Submission of calculations, plans, and specifications for existing vessels installing segregated ballast tanks.

(a) Before modifications are made to a U.S. tank vessel to meet §157.10a(a)(1), §157.10a(c)(1),

§157.10c(b)(1), or §157.10c(c)(1), the vessel's owner or operator must submit the following to the Officer in Charge, Marine Inspection, of the zone where the modification will be made or to the appropriate Coast Guard technical office listed in 157.100(b):

(1) A drawing or diagram of the pumping and piping system for the segregated ballast tanks.

(2) A drawing of the segregated ballast tank arrangement.

(3) Documentation, calculations, or revised stability information to show that the vessel, with the addition of the segregated ballast tanks, meets the stability standards for load line assignment in 46 CFR Part 42.